From History to Case Descriptions, Interactive Video for the ‘Everyday’ Mental Health Practitioner

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Case Examples

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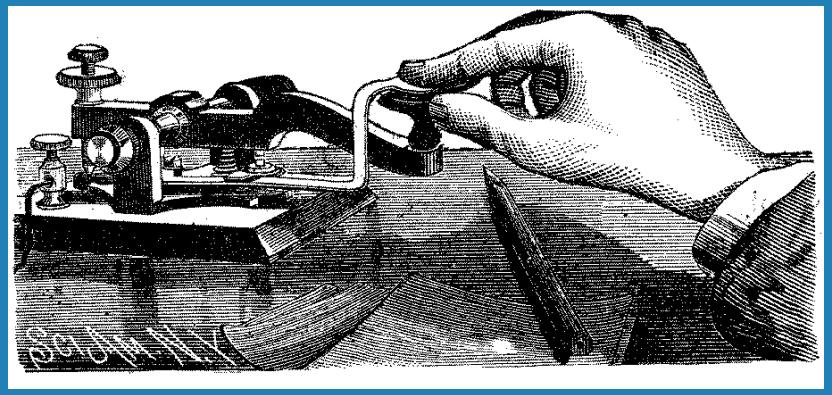
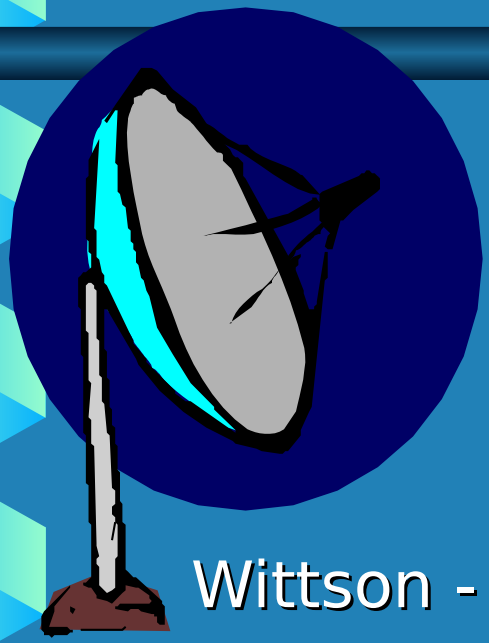
“Early TeleMedicine”



“Two Way Television”

AT&T

“Two Way Television”



Wittson - Nebraska Psychiatric Institute

Solow – Dartmouth Medical School

Dwyer – Massachusetts General Hospital

“Affordable” Video Conferencing

“Affordable” Video Conferencing

Baigent – Flinders MC, Australia

Zaylor – Kansas University MC

Elford – Memorial Univ Newfoundland

Affordable VTC Technology

- Definitions
- Data Transmission
- Codec
- Connections

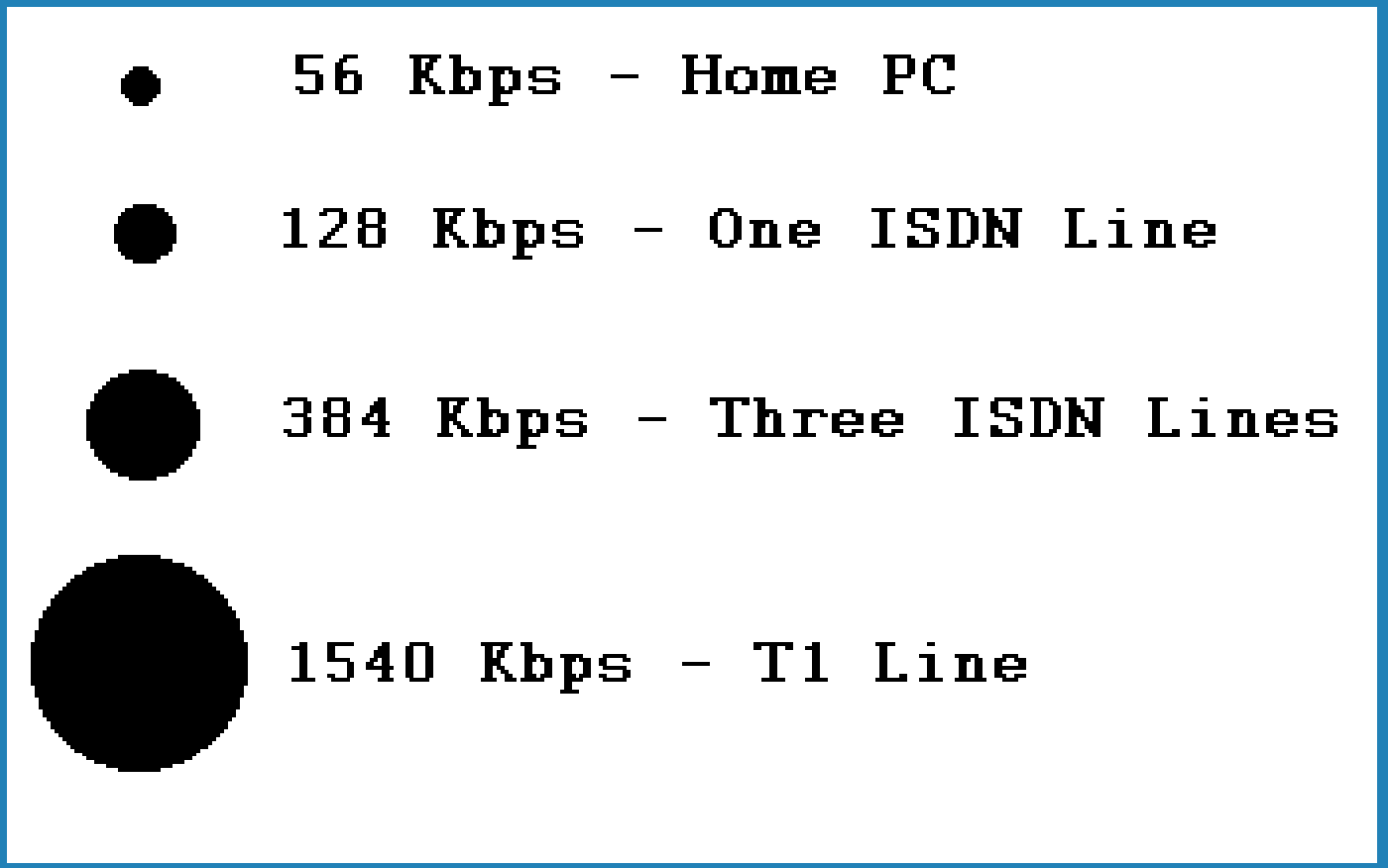
Definitions

- POTS
- ISDN
- ADSL
- Cable

Definitions

- Bandwidth
  - 64 Kbps
  - 128 Kbps
  - 384 Kbps
  - T1 Line (1.54 Mbps)
- Frame Rate

Bandwidth: Capacity of the Communication Pipeline



Data Transmission

<<=>> Real Time Interactive

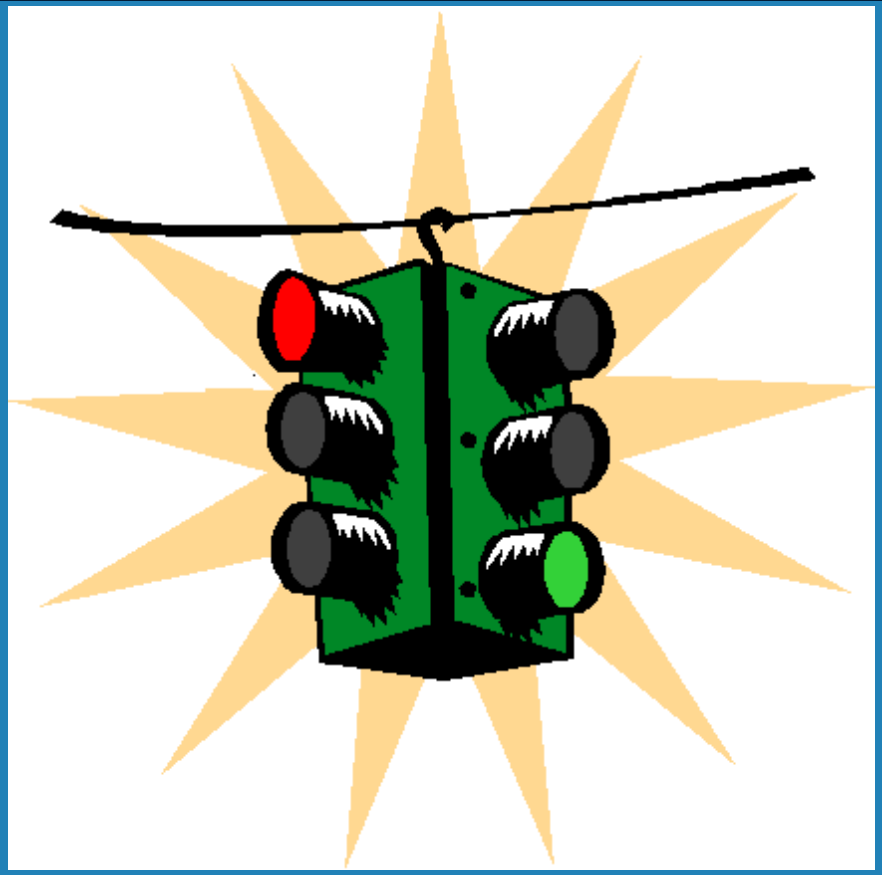
>>> Store and Forward

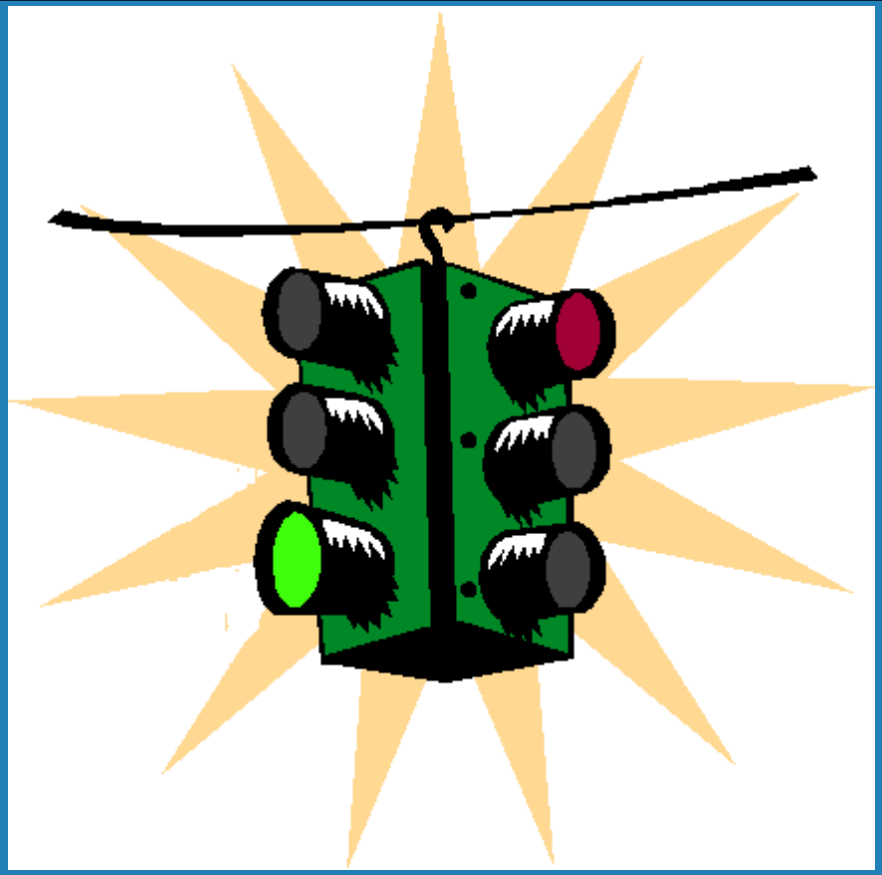
Real Time, brought to you by, ‘CODEC’

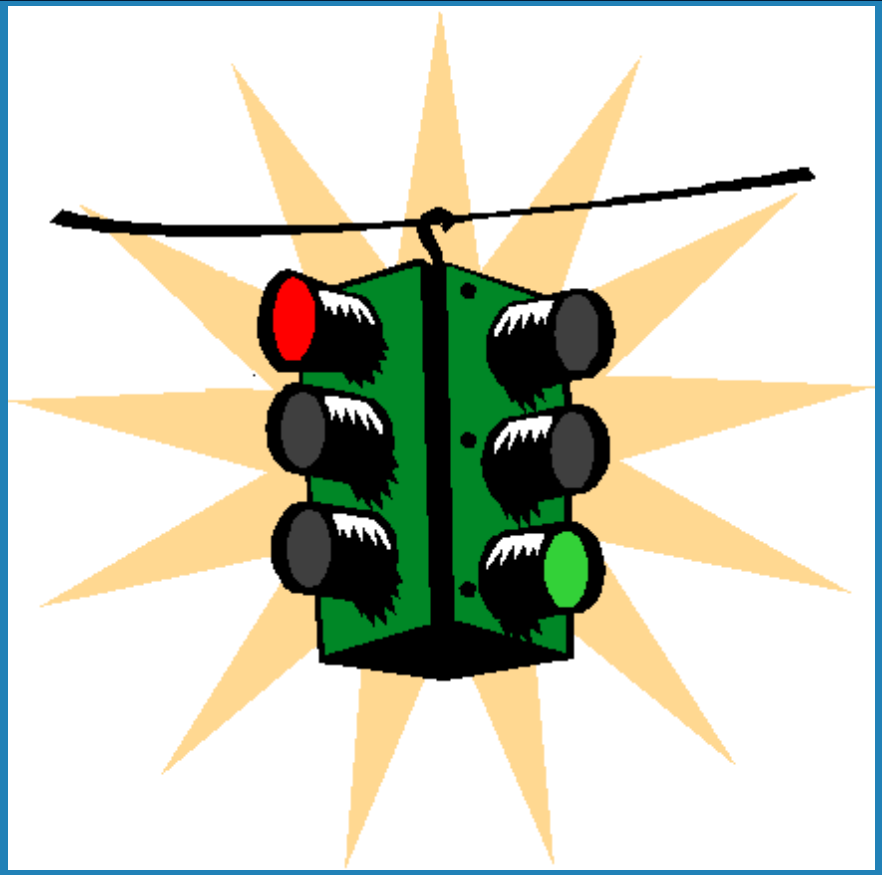
- Coding (compression)
- DeCoding (decompression)

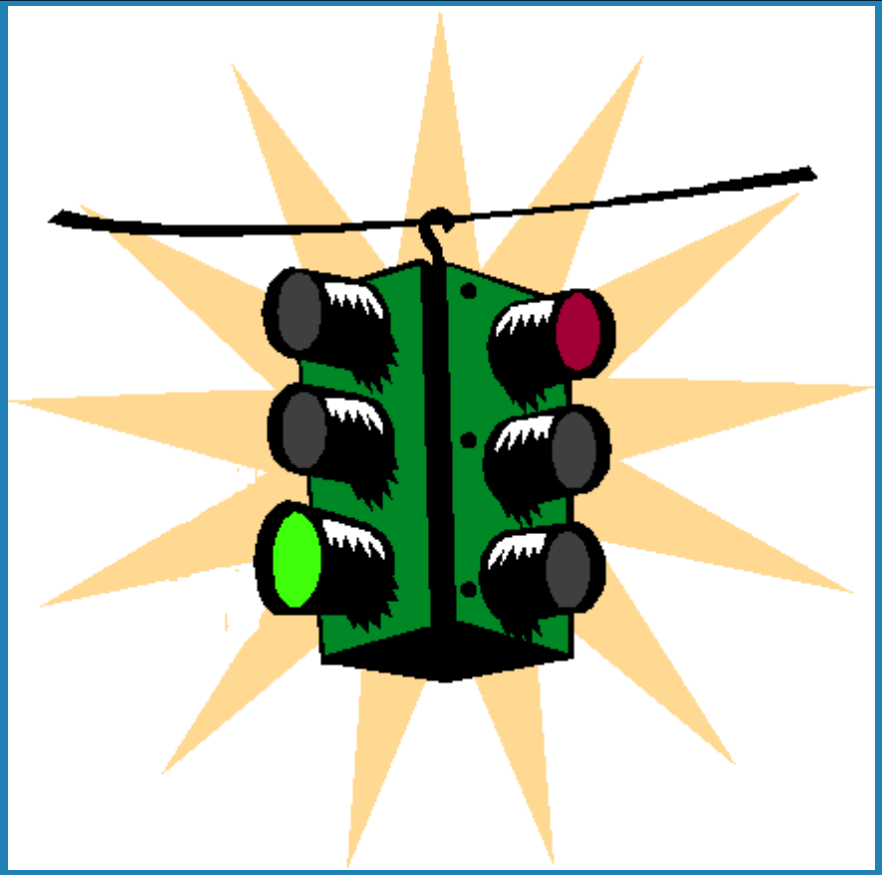
CODEC's

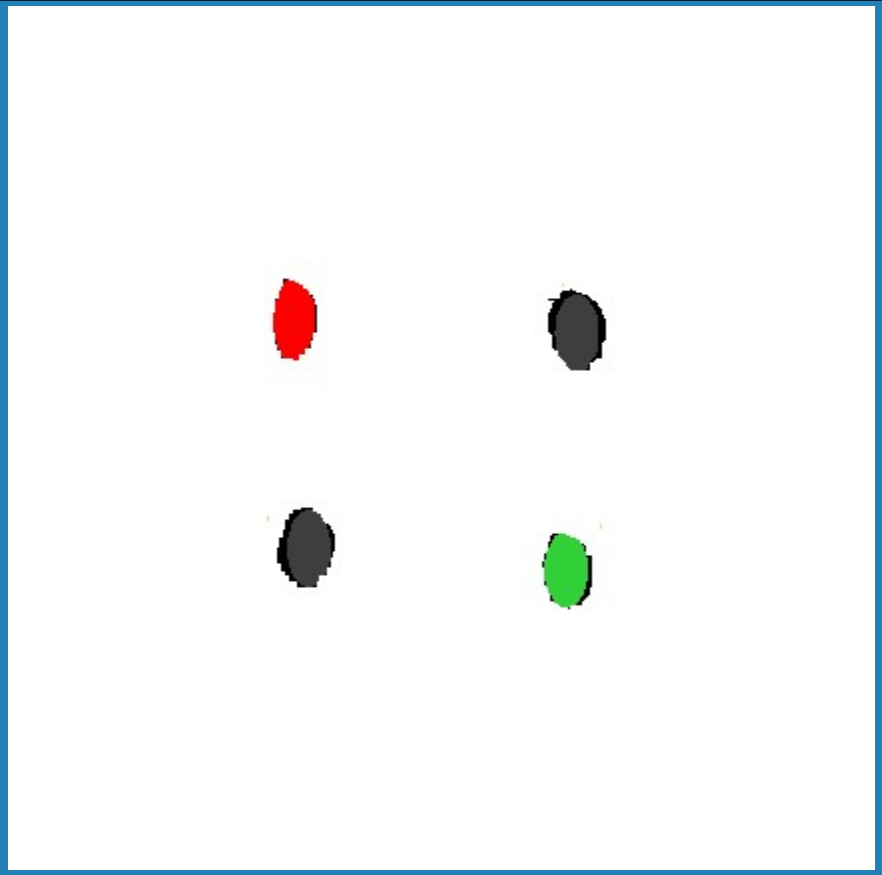
- Pioneered in 1970's
- 1st commercial codec introduced in 1982
- How do they work?

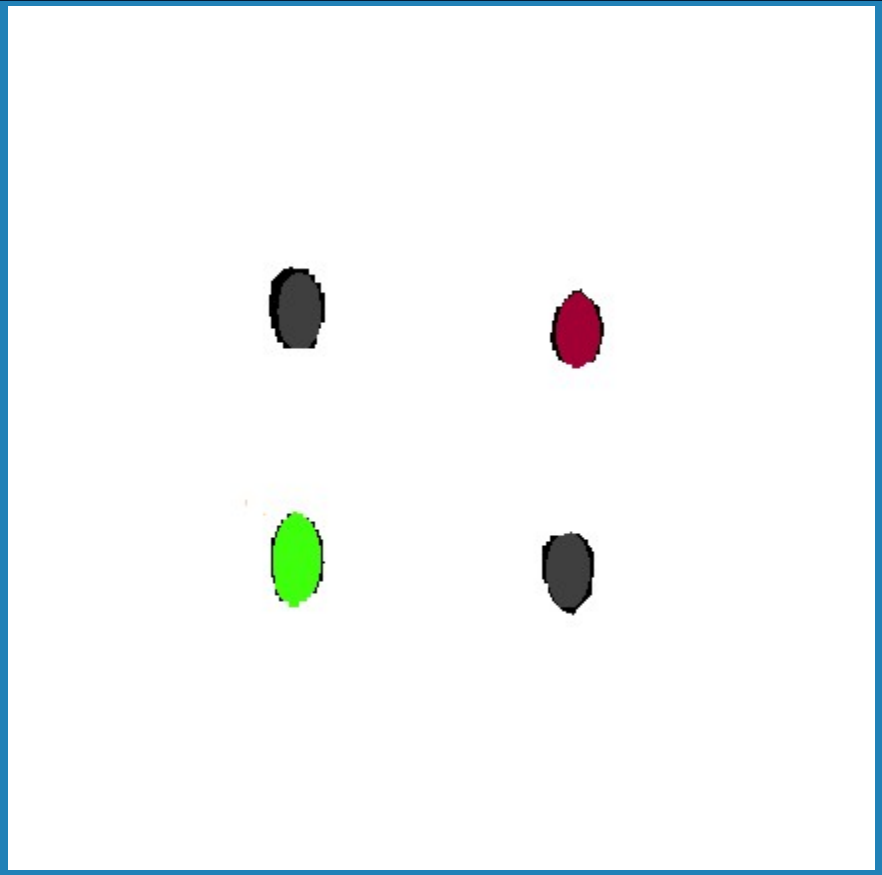


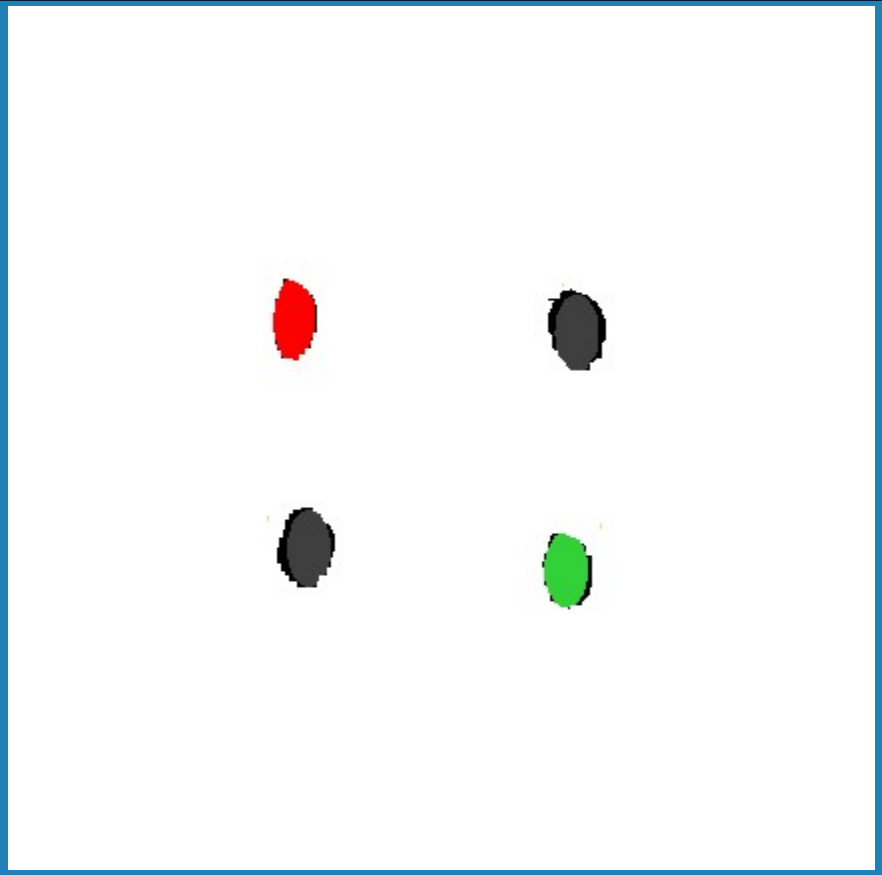


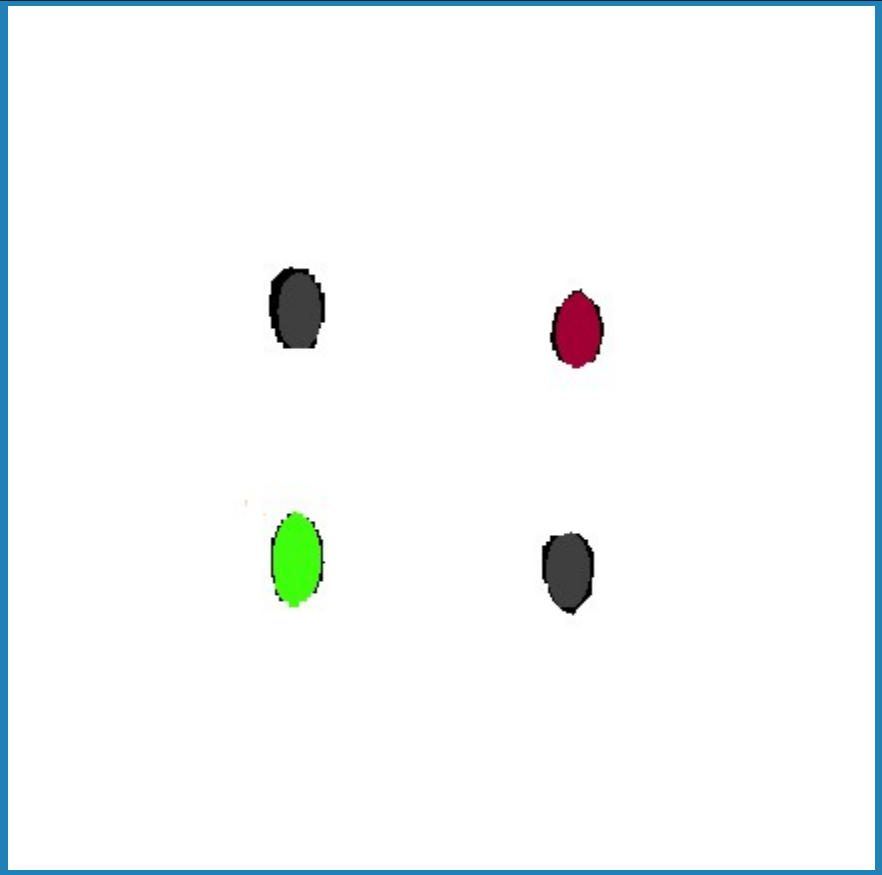


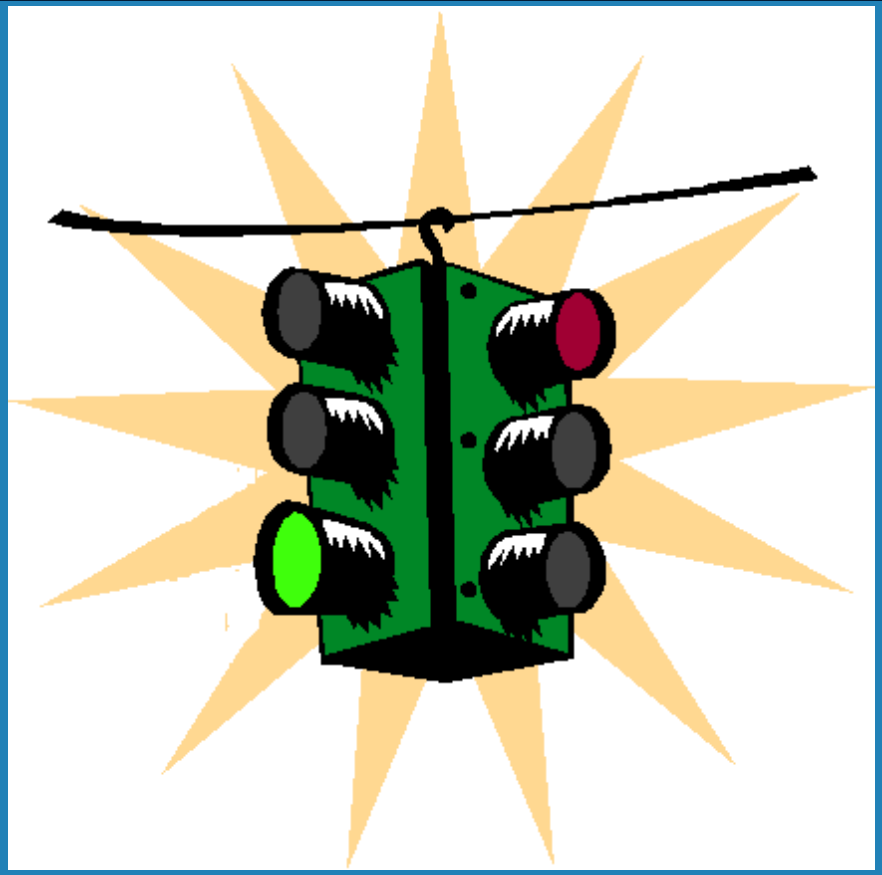












CODEC’s

- Miscellaneous

Communication Protocols

- V.34, V.90 - Modems
- H.320 video
- H.323 video
- T.120 Still Images

Putting It All to Work

Dr Prassana

Case Examples